What is claimed is:

1. A scanning optical system, comprising:

a laser source for emitting a laser beam;

a scanning deflector that deflects the laser beam;

an imaging optical system that converges the scanning laser beam onto an object surface; and

first and second mirrors that bend the optical path of the scanning laser beam, said first and second mirrors being movable to adjust the optical path length between said deflector and said object surface for changing a width of the scanning range on said object surface.

2. The scanning optical system according to claim 1, wherein said first and second mirrors move while keeping the position of the scanning line formed on said object surface in an auxiliary scanning direction.

3. The scanning optical system according to claim 1, wherein the optical path between said deflector and said first mirror intersects the optical path between said second mirror and said object surface.

4. The scanning optical system according to claim 1, wherein the moving amount of said second mirror is proportional to the

moving amount of said first mirror.

5. The scanning optical system according to claim 1, wherein said first and second mirrors are supported so as to be moved as a single-piece.

6. The scanning optical system according to claim 5, wherein said first and second mirrors are formed as a single-piece.

7. The scanning optical system according to claim 1, wherein said imaging optical system comprises a plurality of lens elements and said first and second mirrors are arranged between said lens elements.

8. The scanning optical system according to claim 7, wherein the lens element between said second mirror and said object surface is moved with the movement of said second mirror.